APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/875,873	06/08/2001	Keiji Maeda	Q64834	7201

7590 09/09/2004	**EXAMINER**
SUGHRUE, MION, ZINN, MACPEAK & SEAS	ZHONG, CHAD
2100 Pennsylvania Avenue, N.W.	
Washington, DC 20037-3202	

ART UNIT	PAPER NUMBER
2152	

DATE MAILED: 09/09/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)	
Office Action Summary	09/875,873	MAEDA, KEIJI	
	Examiner	**Art Unit**	
	Chad Zhong	2154	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE _3_ MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.
- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
  Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on _26 November 2003_.

2a)☐ This action is **FINAL**.   2b)☒ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) _1-8_ is/are pending in the application.

    4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) _1-8_ is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☐ The drawing(s) filed on _____ is/are: a)☐ accepted or b)☐ objected to by the Examiner.

    Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

    Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a)☒ All   b)☐ Some * c)☐ None of:

      1.☒ Certified copies of the priority documents have been received.

      2.☐ Certified copies of the priority documents have been received in Application No. _____.

      3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

    * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)

2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)

3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
    Paper No(s)/Mail Date _11/26/03_.

4) ☐ Interview Summary (PTO-413)
    Paper No(s)/Mail Date _____.

5) ☐ Notice of Informal Patent Application (PTO-152)

6) ☐ Other: _____.

DETAILED ACTION

1.   Claims 1-8 are presented for examination.

Claim Rejections - 35 USC § 102

2.   The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the

basis for the rejections under this section made in this Office action:

> A person shall be entitled to a patent unless --
>
> (e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371 (c) of this title before the invention thereof by the applicant for patent.

3.   Claims 1-8 are rejected under 35 U.S.C. 102(e) as being anticipated by Ross et al.

(hereinafter Ross), US 6,658,002.

4.   As per claim 1, Ross teaches a method for setting routers for making a setting of control

information to a plurality of routers mounted on a network to which a plurality of terminals is

connected and adapted to control, by being disposed among terminals, communication among

terminals comprising:

    a step of adding contents requesting for replication of a payload to a packet transmitted from

a terminal of a transmitter and of performing replication of said payload using said router in

accordance with said request (Col. 2, lines 29-33; Col. 6, lines 1-10; Col. 7, lines 45-55; Col. 8,

lines 64 – Col. 9, lines 10; it is explicitly stated in these sections that configuration parameters

can be stored within extended packet fields, further, Ross discloses Ipv6, thus realizing addition

of configuration functionalities, as is disclosed in Applicant's Specification.);

    a step of making a setting of said control information in accordance with replicated payload

(Col. 7, lines 45-55; Col. 8, lines 64 – Col. 9, lines 10); and

    a step of transmitting said packet to a next router or a terminal (Col. 9, lines 22-28).

5.   As per claim 2, Ross teaches the method for setting routers according to claim 1, wherein said packet is an IPv6 (Internet Protocol Version 6) packet and wherein contents requesting for replication of said payload are contained in an expanded header of said IPv6 packet (Col. 5, lines 40-45; Col. 9, lines 5-10).

6.   As per claim 3, Ross teaches the method for setting routers according to claim 2, wherein processing of said IPv6 packet in said router includes:

    a step of judging whether a Hop-By-Hop option exists in said expanded header;

    a step of judging, when said Hop-By-Hop option exists, a type of said Hop-By-Hop option; and

    a step of performing, when said Hop-By-Hop option is a predetermined-option type, replication of said payload (Col. 10, lines 25-33; Col. 8, lines 40-50; Col. 8, lines 60-67).

7.   As per claim 4, Ross teaches the method for setting routers according to claim 2, wherein said IPv6 packet in said router includes:

    a step of judging whether a destination address contained in an IPv6 header format is an address of said router or of an other router (Col. 1, lines 60-67);

    a step of judging, when said destination address is said address of said router, whether a destination option header contained in said expanded header exists (Col. 11, lines 35-45);

    a step of judging, when said destination option header exists, a type of said destination option header; and

    a step of performing, when said option is a predetermined-option type, replication of said payload (Col. 8, line s40-50; Col. 8, lines 60-67).

8.   As per claim 5, Ross teaches a router setting apparatus for making a setting of control information to a plurality of routers mounted on a network to which a plurality of terminals is

connected and adapted to control, by being disposed among terminals, communication among terminals comprising:

a payload retrieving section used to retrieve a payload required for being replicated from packets input from an input interface section of a router (Col. 11, lines 35-40; Col. 8, lines 60-67);

a payload replicating section used to replicate said payload when said payload requiring for being replicated is judged by said payload retrieving section to exist (Col. 8, lines 60-67; Col. 7, lines 45-53); and

a control information setting section used to set predetermined control information to said router in accordance with said payload replicated by said payload replicating section (Col. 6, lines 9-15).

9.   As per claim 6, Ross teaches the router setting apparatus according to claim 5, wherein said packet is an IPv6 packet and wherein said payload retrieving section checks existence of a replication request based on an expanded header of said IPv6 packet (Col. 5, lines 40-45; Col. 9, lines 5-10).

10.   As per claim 7 and 8, Claims 7 and 8 are rejected for the same reasons as rejection to claims 5 and 6 above respectively.

Conclusion

11.   The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. The following patents and publications are cited to further show the state of the art with respect to method of providing router with subnetwork address pool in a cellular telecommunications network.
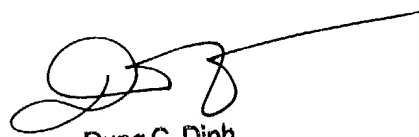
    i.   US 6628653   Salim.

     ii.   US 6526056   Rekhter et al.

     iii.   RFC 2460   1998 Network Working Group, Derring et al.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Chad Zhong whose telephone number is (703) 305-0718. The examiner can normally be reached on M-F 7am-4:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John A Follansbee can be reached on 703-305-8498. The fax phone numbers for the organization where this application or proceeding is assigned are 703-746-7239 for regular communications and 703-746-7238 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-305-3900.

CZ
August 13, 2004

Dung C. Dinh
Primary Examiner